

## Electronic Patent Application Fee Transmittal

| <b>Application Number:</b>                     | 10644859  |          |        |                      |
|--|---|----------|--------|----------------------|
| <b>Filing Date:</b>                            | 21-Aug-2003   |          |        |                      |
| <b>Title of Invention:</b>                     | ADSORPTION HEAT PUMP AND USE OF ADSORBENT AS ADSORBENT FOR ADSORPTION HEAT PUMP |          |        |                      |
| <b>First Named Inventor/Applicant Name:</b>    | Hiroyuki Kakiuchi   |          |        |                      |
| <b>Filer:</b>                                  | Marvin Jay Spivak/Mimi Chanthaphone   |          |        |                      |
| <b>Attorney Docket Number:</b>                 | 241676US0XCONT  |          |        |                      |
| Filed as Large Entity                          |   |          |        |                      |
| <b>Utility under 35 USC 111(a) Filing Fees</b> |   |          |        |                      |
| Description                                    | Fee Code  | Quantity | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                           |   |          |        |                      |
| <b>Pages:</b>                                  |   |          |        |                      |
| <b>Claims:</b>                                 |   |          |        |                      |
| <b>Miscellaneous-Filing:</b>                   |   |          |        |                      |
| <b>Petition:</b>                               |   |          |        |                      |
| <b>Patent-Appeals-and-Interference:</b>        |   |          |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b>       |   |          |        |                      |
| Utility Appl issue fee                         | 1501  | 1        | 1510   | 1510                 |
| Publ. Fee- early, voluntary, or normal         | 1504  | 1        | 300    | 300                  |

| Description                       | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|-----------------------------------|----------|----------|--------|----------------------|
| <b>Extension-of-Time:</b>         |          |          |        |                      |
| <b>Miscellaneous:</b>             |          |          |        |                      |
| Printed copy of patent - no color | 8001     | 3        | 3      | 9                    |
| <b>Total in USD (\$)</b>          |          |          |        | <b>1819</b>          |